

RECEIVED
CENTRAL FAX CENTER

FEB 28 2007

FAX COVER SHEET

PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

Attention: Group Art Unit: 2611
Examiner: Lawrence B. Williams
Supervising Examiner: Ghayour Mohammad
UNITED STATES PATENT AND TRADEMARK
OFFICE

Fax: (571) 273-8300

Phone: (571) 272-3037

Phone: (571) 272-3021

Pages: Cover + 2 + 10 + 14 = 27

Date: February 28, 2007

From: Georgann S. Grunebach
Assistant General Counsel

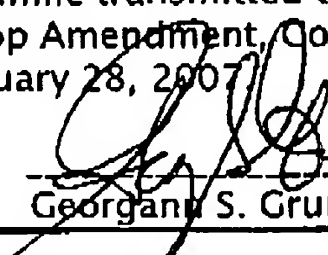
Fax: (310) 964-0941
Phone: (310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on February 28, 2007.

Date: February 28, 2007


Georgann S. Grunebach, Reg. No. 33,179

Attention: Commissioner for Patents

Attorney Docket PD-200250

Please find attached Re:

Inventor: Ernest C. Chen

Serial No.: 10/692,539

Filed: October 24, 2003

For: ON-LINE PHASE NOISE MEASUREMENT FOR LAYERED MODULATION

- > Fee Transmittal (in duplicate)
- > Amendment Response (10 pages)
- > Drawings Accompanying Amendment (14 pages)

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

RECEIVED
CENTRAL FAX CENTER

FEB 28 2007

PTO/SB/17 (02-07)

Approved for use through 02/28/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2007☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$200.00

Complete If Known

Application Number	10/692,539
Filing Date	October 24, 2003
First Named Inventor	Ernest C. Chen
Examiner Name	Lawrence B. Williams
Art Unit	2611
Attorney Docket No.	PD-200250

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50-0383 Deposit Account Name: THE DIRECTV GROUP, INC.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	-0-
Design	200	100	100	50	130	65	-0-
Plant	200	100	300	150	160	80	-0-
Reissue	300	150	500	250	600	300	-0-
Provisional	200	100	0	0	0	0	-0-

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues) _____

Each independent claim over 3 (including Reissues) _____

Multiple dependent claims _____

Fee (\$)	Small Entity Fee (\$)
----------	-----------------------

50 25

200 100

360 180

Total Claims 24 - 20 or HP = 4 x \$50 = \$200.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims 3 - 3 or HP = -0- x N/A = N/A

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims

Fee (\$)	Fees Paid (\$)
----------	----------------

N/A N/A

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fees Paid (\$)
--------------	--------------	--	----------	----------------

N/A - 100 = N/A / 50 = N/A (round up to a whole number) x N/A = N/A

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

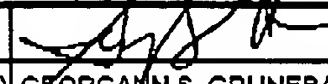
Fees Paid (\$)

N/A

Other (e.g., late filing surcharge): _____

N/A

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 33M179	Telephone 310-864-4515
Name (Print/Type)	GEORGANN S. GRUNEBACH	Date FEBRUARY 28, 2007	

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.